

**PENGARUH KOMPOSISI MEDIA TANAM DAN BERBAGAI DOSIS
PUPUK NPK *SLOW RELEASE* TERHADAP PERTUMBUHAN DAN
HASIL TANAMAN HIAS BUNGA VINCA (*Vinca rosea L.*)**

Oleh: Halimatus Sadiyah

Dibimbing Oleh : Heti Herastuti dan Ellen Rosyelina Sasmita

ABSTRAK

Penelitian bertujuan untuk mengkaji interaksi antara komposisi media tanam dan dosis pupuk NPK *slow release* terhadap pertumbuhan dan hasil tanaman hias bunga vinca. Penelitian dilaksanakan di Kebun Erista, Sleman, Yogyakarta pada bulan Oktober 2019 – Januari 2020. Metode penelitian yang digunakan percobaan lapangan yang disusun dengan Rancangan Acak Lengkap (RAL) faktorial. Faktor pertama yaitu komposisi media tanam dengan perbandingan kompos, tanah dan arang sekam yang terdiri dari 3 macam yaitu 2:1:1, 1:2:1, dan 1:1:2. Faktor kedua yaitu dosis pupuk NPK *slow release*, terdiri dari 3 taraf yaitu 4g/tanaman, 6g/tanaman, dan 8g/tanaman. Hasil penelitian menunjukkan bahwa perlakuan kombinasi media tanam dan dosis pupuk NPK *slow release* dengan perlakuan kontrol memberikan pengaruh nyata pada parameter tinggi tanaman, jumlah umur daun, waktu inisiasi bunga, diameter bunga, dan jumlah polong. Terdapat interaksi antara komposisi media tanam dan dosis pupuk NPK *slow release*. Perlakuan komposisi media tanam kompos : tanah : arang sekam dengan perbandingan 1:2:1 dan dosis pupuk NPK *slow release* 6g/tanaman memberikan hasil terbaik pada parameter tinggi tanaman, jumlah daun dan diameter bunga.

Kata kunci : Vinca, NPK *slow release*, dan Media Tanam

**EFFECT OF CULTIVING MEDIA COMPOSITION AND VARIOUS
DOSAGES OF NPK SLOW RELEASE FERTILIZER ON THE GROWTH
AND RESULTS OF VINCA FLOWER ORNAMENTAL PLANT
(*Vinca rosea* L.)**

By: Halimatus Sadiyah

Supervised By: Heti Herastuti and Ellen Rosyelina Sasmita

ABSTRACT

The aim of the study was to examine the interaction between the composition of the growing media and the dose of slow release NPK fertilizer on the growth and yield of ornamental vinca flowers. The research was carried out at the Erista Gardens, Sleman, Yogyakarta in October 2019 - January 2020. The research method used was a field experiment arranged in a factorial Completely Randomized Design (CRD). The first factor is the composition of the planting medium with a ratio of compost, soil and husk charcoal which consists of 3 types, namely 2:1:1, 1:2:1, and 1:1:2. The second factor was the dose of slow release NPK fertilizer, consisting of 3 levels, namely 4g/plant, 6g/plant, and 8g/plant. The results showed that the combination treatment of growing media and doses of slow release NPK fertilizer with control treatment had a significant effect on the parameters of plant height, number of leaf ages, time of flower initiation, flower diameter, and number of pods. There is an interaction between the composition of the planting medium and the dose of slow release NPK fertilizer. Treatment of the composition of the compost planting medium: soil: husk charcoal with a ratio of 1:2:1 and a slow release NPK fertilizer dose of 6g/plant gave the best results on the parameters of plant height, number of leaves and flower diameter.

Keywords: *Vinca*, NPK slow release, and planting media.